IN THE SPECIFICATION

Please replace the paragraph appearing on page 8, line 31 to page 9, line 2 with the following amended paragraph:

According to a particular embodiment, notably corresponding to the trellis structure, said ~~bioctogonal~~ biorthogonal multicarrier signal is a OFDM/OM signal. Special technical solutions may then be contemplated.

On page 12, line 16, amend the heading as follows:

1-Formulation as a modulated transmultiplexer 10

On page 12, after line 19 insert the following paragraphs:

The modulation part 13 comprises 2M branches 131_0 to 131_{2M-1} receiving source data $a_{i,n}$. Each source data is multiplied by $e^{j\frac{\pi}{2}}$ (1311) to obtain $x_i(n)$, which feed an expander of order M 1312, and then a synthesis filter $F_i[z]$ 11.

The outputs of the synthesis filters feed an adder 132 to form a signal s sent through a channel 14. In the demodulation part 15, the signal s feeds 2M branches 151_0 to 151_{2M-1} each comprising analysis filter $H_i[z]$ 12, a decimator of order M 152, a multiplication 153 by $e^{j\frac{\pi}{2}(n-\alpha)}$ and an extraction of the real part 154.

On page 14, after line 27, insert the following paragraphs:

Data feeding each branch of the modulator of figure 5 are multiplied (53) by $2M\sqrt{2}c^{-j\frac{2\pi}{2M}i\frac{D-M}{2}}$, and then transformed through IFFT 51. The outputs of the IFFT feed

polyphase components 52 (see Annex C) and expander 1312.

The received signal s(k) is directed to 2M branches (figure 6), each comprising a decimator 152 and a polyphase component 62, which feeds an IFFT 61. The 2M outputs of the IFFT comprise a multiplier 63

On page 16, amend Equation (68) as follows:

$$= 2M\sqrt{2}e^{-j\frac{2\pi}{2M}l\frac{D+M}{2}} IFFT\left(\hat{x}'^1_l(n-\alpha),...,\hat{x}'^1_{2M-1}(n-\alpha)\right)[\underline{l}]$$